



PCT10

RAW SEQUENCE LISTING

DATE: 07/01/2002

PATENT APPLICATION: US/10/030,003A

TIME: 13:00:35

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Output Set: N:\CRF3\07012002\J030003A.raw

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3 <110> APPLICANT: Zanetti, Maurizio
5 <120> TITLE OF INVENTION: Somatic Transgene Immunization and Related Methods
7 <130> FILE REFERENCE: P-ZA 5015
9 <140> CURRENT APPLICATION NUMBER: US 10/030,003A
C--> 10 <141> CURRENT FILING DATE: 2002-05-28
12 <150> PRIOR APPLICATION NUMBER: US 09/300,959
13 <151> PRIOR FILING DATE: 1999-04-27
15 <150> PRIOR APPLICATION NUMBER: PCT/US00/11372
16 <151> PRIOR FILING DATE: 2000-04-27
18 <160> NUMBER OF SEQ ID NOS: 42
20 <170> SOFTWARE: PatentIn Ver. 2.1
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24 <212> TYPE: DNA
25 <213> ORGANISM: Mus musculus
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34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Description of Artificial Sequence: mutant heavy
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47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
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53 <400> SEQUENCE: 3
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58 <211> LENGTH: 4
59 <212> TYPE: PRT
60 <213> ORGANISM: Plasmodium falciparum
62 <400> SEQUENCE: 4
63 Asn Ala Asn Pro
64 1
67 <210> SEQ ID NO: 5

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68 <211> LENGTH: 422
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70 <213> ORGANISM: Artificial Sequence
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73 <223> OTHER INFORMATION: Description of Artificial Sequence: genomic VDJ
74     region
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77 gacgtgaagc tgggtggagtc tgggggaggc ttagtgaagc ttggagggtc cctgaaactc 60
78 tcctgtgcag cctctggatt cactttcagt aggtattaca tgtcttgggt tcgccagact 120
79 ccagagaaga ggctggagtt ggtcgcagcc attaatagta atgggtggtag cacctactat 180
80 ccagacactg tgaagggccg attcaccatc tccagagaca atgccaaaaa caccctgtac 240
81 ctgcaaatga gcagtctgaa gtctgaggac acagccttgt attactgtgc aagaaaggta 300
82 ccctactctc atggtatgga ctactggggt caaggaacct cagtcaccgt ctctcagggt 360
83 aagaatggcc tctccaggtc tttattttta acctttgtta tggagttttc tgagcattgc 420
84 ag
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 422
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: genomic VDJ
94     region
96 <400> SEQUENCE: 6
97 gacgtgaagc tgggtggagtc tgggggaggc ttagtgaagc ttggagggtc cctgaaactc 60
98 tcctgtgcag cctctggatt cactttcagt aggtattaca tgtcttgggt tcgccagact 120
99 ccagagaaga ggctggagtt ggtcgcagcc attaatagta atgggtggtag cacctactat 180
100 ccagacactg tgaagggccg attcaccatc tccagagaca atgccaaaaa caccctgtac 240
101 ctgcaaatga gcagtctgaa gtctgaggac acagctttgt attactgtgc aagaaaggta 300
102 ccctactctc atggtatgga ctactggggt caaggaacct cagtcaccgt ctctcagggt 360
103 aagaatggcc tctccaggtc tttattttta acctttgtta tggagttttc tgagcattgc 420
104 ag
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108 <211> LENGTH: 419
109 <212> TYPE: DNA
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112 <220> FEATURE:
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118 tcctgtgcag cctctggatt cactttcagt aggtattaca tgtcttgggt tcgccagact 120
119 ccagagaaga ggctggagtt ggtcgcagcc attaatagta atgggtggtag cacctactat 180
120 ccagacactg tgaagggccg attcaccatc tccagagaca atgccaaaaa caccctgtac 240
121 ctgcaaatga gcagtctgaa gtctgaggac acagccttgt attactgtgc aagaaaggcc 300
122 tactctcatg gtatggacta ctgggggtcaa ggaacctcag tcaccgtctc ctcaaggtaag 360
123 aatggcctct ccaggtcttt atttttaacc tttgttatgg agttttctga gcattgcag 419
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 419
128 <212> TYPE: DNA

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131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: genomic VDJ
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137 tcctgtgcag cctctggatt cactttcagt aggtattaca tgtcttgggt tcgccagact 120
138 ccagagaaga ggctggagtt ggtcgtagcc attaatagta atggtggtag cacctactat 180
139 ccagacactg tgaagggccg attcaccatc tccagagaca atgccaaaaa caccctgtac 240
140 ctgcaaatga gcagtctgaa gtctgaggac acagccttgt attactgtgc aagaaaggcc 300
141 tactctcatg gtatggacta ctgggggtcaa ggaacctcag tcaccgtctc ctgaggtaag 360
142 aatggcctct ccaggtcttt atttttaacc tttgttatgg agttttctga gcattgcag 419
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 12
147 <212> TYPE: PRT
148 <213> ORGANISM: Plasmodium falciparum
150 <400> SEQUENCE: 9
151 Asn Ala Asn Pro Asn Val Asp Pro Asn Ala Asn Pro
152   1           5              10
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156 <211> LENGTH: 36
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160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence:
162     complementarity determining region 2 (CDR2)
164 <400> SEQUENCE: 10
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173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence:
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177 <400> SEQUENCE: 11
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181 <210> SEQ ID NO: 12
182 <211> LENGTH: 62
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
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188     complementarity determining region 3 (CDR3)
190 <400> SEQUENCE: 12
191 aaggtacccg cttccaatga aaatatggag actatggaat caagtacact tgtaccctac 60
192 tc                                                                 62
195 <210> SEQ ID NO: 13
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197 <212> TYPE: PRT
198 <213> ORGANISM: Influenza virus
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202   1           5           10
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206 <211> LENGTH: 48
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence:
212     oligonucleotide
214 <400> SEQUENCE: 14
215 gtaccgctt ccaatgaaaa tatggagact atggaatcaa gtacactt      48
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 11
220 <212> TYPE: PRT
221 <213> ORGANISM: MUC-1 tumor antigen
223 <400> SEQUENCE: 15
224 Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
225   1           5           10
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229 <211> LENGTH: 11
230 <212> TYPE: PRT
231 <213> ORGANISM: Artificial Sequence
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234 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
235     peptide
237 <400> SEQUENCE: 16
238 Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
239   1           5           10
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243 <211> LENGTH: 12
244 <212> TYPE: PRT
245 <213> ORGANISM: MUC-1 tumor antigen
247 <400> SEQUENCE: 17
248 Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro
249   1           5           10
252 <210> SEQ ID NO: 18
253 <211> LENGTH: 24
254 <212> TYPE: DNA
255 <213> ORGANISM: Mus musculus
257 <400> SEQUENCE: 18
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261 <210> SEQ ID NO: 19
262 <211> LENGTH: 24
263 <212> TYPE: DNA
264 <213> ORGANISM: Mus musculus
266 <400> SEQUENCE: 19

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267 ttcagcacct actatccaga cact 24
270 <210> SEQ ID NO: 20
271 <211> LENGTH: 24
272 <212> TYPE: DNA
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 20
276 ttcctcttct gcgtgtagtg gttg 24
279 <210> SEQ ID NO: 21
280 <211> LENGTH: 24
281 <212> TYPE: DNA
282 <213> ORGANISM: Homo sapiens
284 <400> SEQUENCE: 21
285 ttcataatgc caagacaaag ccgc 24
288 <210> SEQ ID NO: 22
289 <211> LENGTH: 23
290 <212> TYPE: DNA
291 <213> ORGANISM: Mus musculus
293 <400> SEQUENCE: 22
294 ttattgagaa tagaggacat ctg 23
297 <210> SEQ ID NO: 23
298 <211> LENGTH: 21
299 <212> TYPE: DNA
300 <213> ORGANISM: Mus musculus
302 <400> SEQUENCE: 23
303 atgctcagaa aactccataa c 21
306 <210> SEQ ID NO: 24
307 <211> LENGTH: 23
308 <212> TYPE: DNA
309 <213> ORGANISM: Mus musculus
311 <400> SEQUENCE: 24
312 aacagtattc tttctttgca tgg 23
315 <210> SEQ ID NO: 25
316 <211> LENGTH: 21
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
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321 <223> OTHER INFORMATION: Description of Artificial Sequence:
322     oligonucleotide
324 <400> SEQUENCE: 25
325 atgctcataa aactccataa c 21
328 <210> SEQ ID NO: 26
329 <211> LENGTH: 22
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
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334 <223> OTHER INFORMATION: Description of Artificial Sequence:
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337 <400> SEQUENCE: 26
338 aacagtattc tttctttgca gc 22

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VERIFICATION SUMMARY

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Input Set : A:\Za50151.app

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